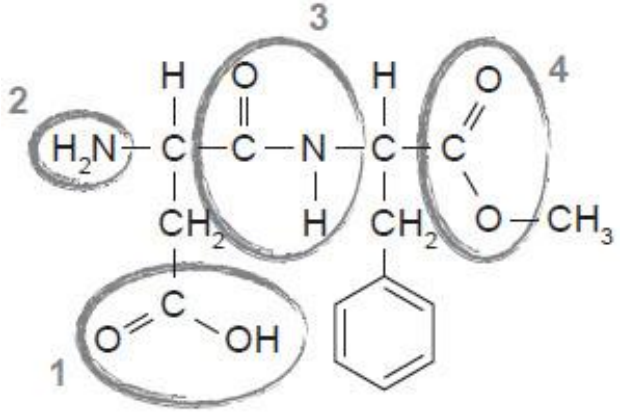
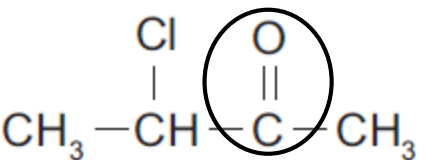
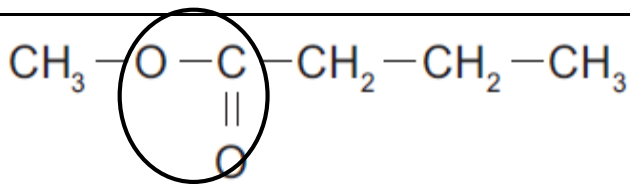
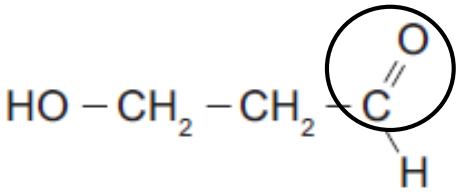
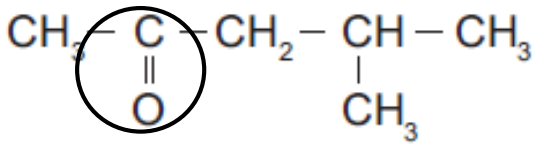
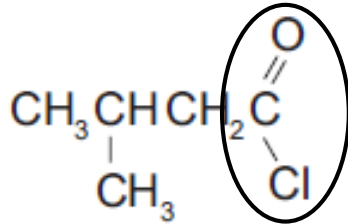
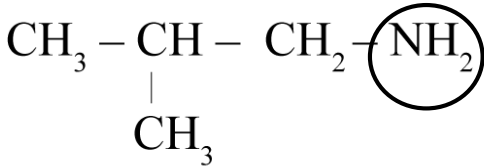


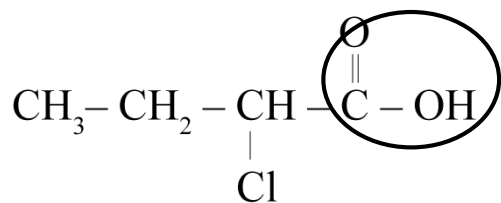
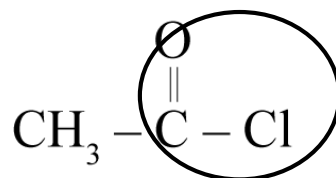


## ANSWERS: Level 3 IUPAC naming

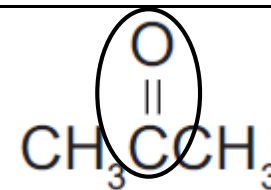
 <p>1. Carboxylic acid or carboxyl 2. Amine or aminoalkane 3. Amide      4. Ester</p>	 <p>3-chlorobutan-2-one <i>ketone</i></p>	 <p>methyl butanoate <i>ester</i></p>
 <p>3-hydroxy propanal / 3-hydroxyl propanal <i>aldehyde</i></p>	 <p>4-methyl pentan-2-one <i>ketone</i></p>	 <p>3 methyl butanoyl chloride <i>acid chloride</i></p>
 <p>1-amino-2-methyl-propane <i>amine</i></p>	 <p>butan-2-one <i>ketone</i></p>	 <p>butanal <i>aldehyde</i></p>



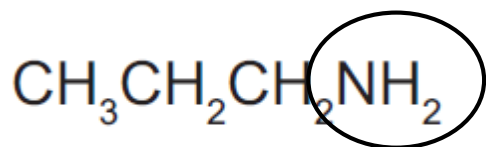
2-chlorobutanoic acid  
*carboxylic acid*



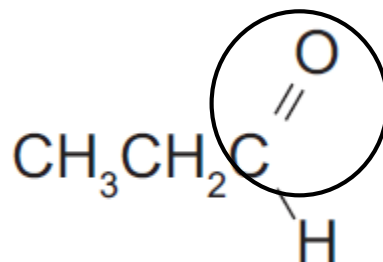
ethanoyl chloride  
*acid chloride*



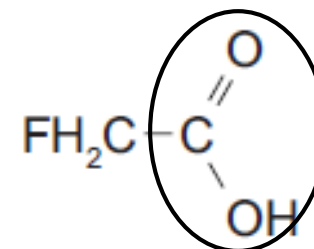
propan-2-one or propanone  
*ketone*



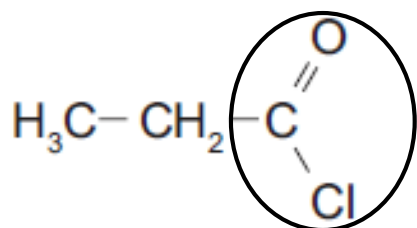
propanamine  
*amine*



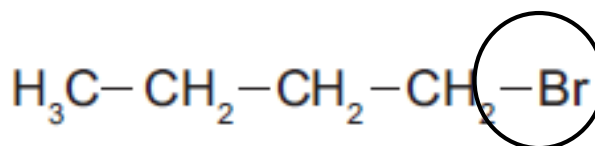
propanal  
*aldehyde*



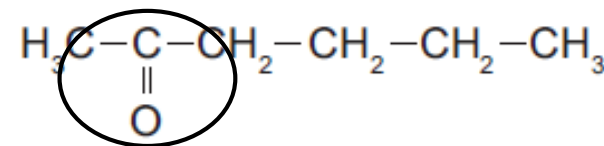
fluoroethanoic acid or 2-fluoro-ethanoic acid  
*carboxylic acid*



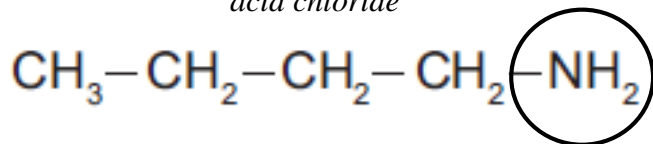
propanoyl chloride  
*acid chloride*



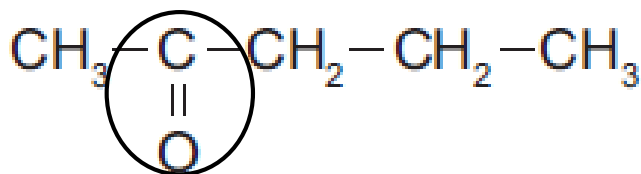
1-bromobutane  
*haloalkane*



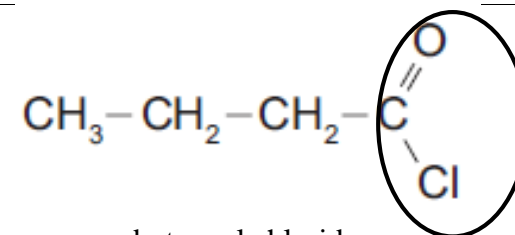
hexan-2-one  
*ketone*



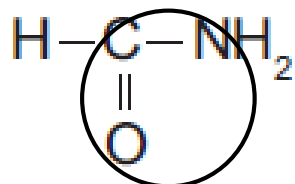
1-aminobutane  
*amine*



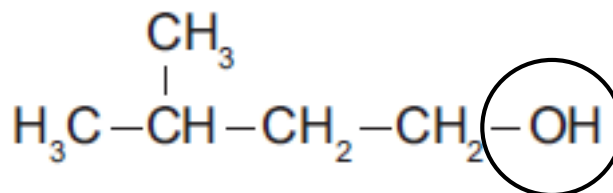
pentan-2-one  
*ketone*



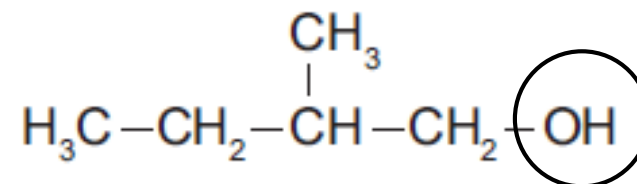
butanoyl chloride  
*acid chloride*



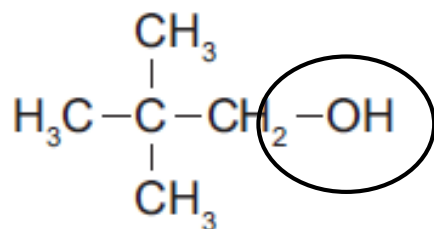
methanamide  
*amide*



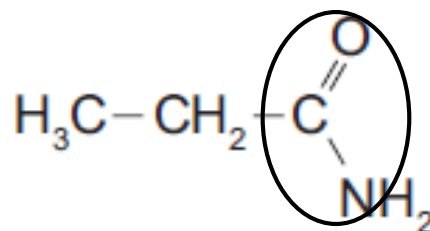
3-methylbutan-1-ol  
*alcohol*



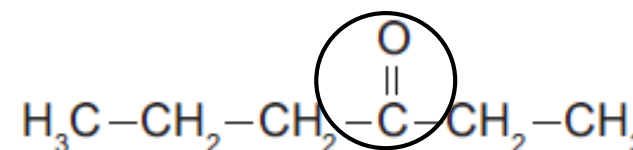
2-methylbutan-1-ol  
*alcohol*



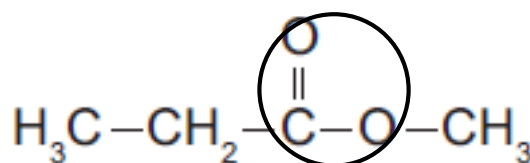
2,2 dimethylpropan-1-ol  
*alcohol*



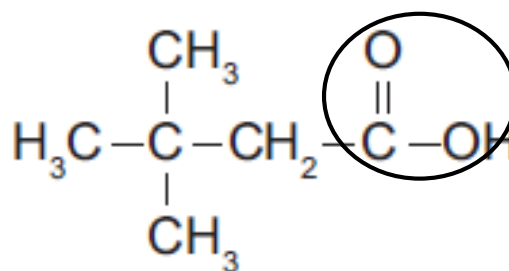
propanamide  
*amide*



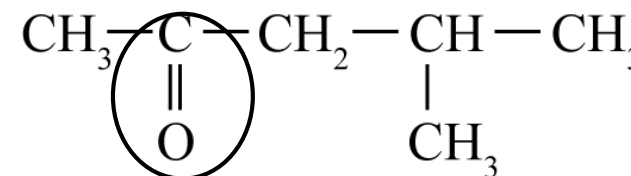
hexan-3-one  
*ketone*



methyl propanoate  
*ester*



3,3-dimethylbutanoic acid  
*carboxylic acid*



4-methylpentan-2-one  
*ketone*

$\text{CH}_3-\text{CH}_2-\text{C}(\text{O})-\text{NH}_2$ <p>propanamide <i>amide</i></p>	$\text{H}-\text{C}(\text{O})-\text{O}-\text{CH}_2-\text{CH}_3$ <p>ethyl methanoate <i>ester</i></p>	$\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CHO}$ <p>3-methylpentanal <i>aldehyde</i></p>
$\text{CH}_3-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{CH}_2-\text{NH}_2$ <p>1-amino-3-methylbutane <i>amine</i></p>	$\text{CH}_3\text{CH}_2\text{C}(\text{O})\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ <p>3,4-dimethylpentanal <i>aldehyde</i></p>	$\text{CH}_3\text{CH}_2\text{COCl}$ <p>propanoyl chloride <i>acid chloride</i></p>
$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{CHO}$ <p>3-methylbutanal <i>aldehyde</i></p>	$\text{H}_3\text{C}-\text{CH}_2-\text{CH}(\text{NH}_2)-\text{COOH}$ <p>2-aminobutanoic acid <i>carboxylic acid</i></p>	